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INTERNATIONAL SEARCH REPORT
(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 62859.0001	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/CA2004/001868	International filing date (<i>day/month/year</i>) 25 October 2004 (25-10-2004)	(Earliest) Priority date (<i>day/month/year</i>) 24 October 2003 (24-10-2003)	
Applicant THE UNIVERSITY OF WESTERN ONTARIO ET AL			
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.			
This international search report consists of a total of <u>4</u> sheets.			
<input checked="" type="checkbox"/> It is also accompanied by a copy of each prior art document cited in this report.			
1. Basis of the report			
a. With regard to the language , the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.			
<input type="checkbox"/> the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).			
b. <input type="checkbox"/> With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.			
2. <input type="checkbox"/> Certain claims were found unsearchable (See Box II).			
3. <input type="checkbox"/> Unity of invention is lacking (See Box III).			
4. With regard to the title .			
<input checked="" type="checkbox"/> the text is approved as submitted by the applicant.			
<input type="checkbox"/> the text has been established by this Authority to read as follows :			
5. With regard to the abstract .			
<input checked="" type="checkbox"/> the text is approved as submitted by the applicant.			
<input type="checkbox"/> the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.			
6. With regard to the drawings ,			
a. The figure of the drawings to be published with the abstract is Figure No. 7			
<input checked="" type="checkbox"/> as suggested by the applicant.			
<input type="checkbox"/> As selected by this authority, because the applicant failed to suggest a figure.			
<input type="checkbox"/> As selected by this Authority, because this figure better characterizes the invention.			
b. <input type="checkbox"/> None of the figures is to be published with the abstract.			

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2004/001868A. CLASSIFICATION OF SUBJECT MATTER
IPC⁷: B25J 3/04, A61B 17/00, B25J 9/00

According to International Patent Classification (IPC) or to both national classification and IPCab

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC⁷: B25J 3/04, A61B 17/00, B25J 9/00; USPC: 301/34, 128/904, 128/DIG7, 414/909, 700/245

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used)
Delphion, Canadian Patents Database, USPTO website. Search terms: haptic, strain gauge, load cell, phantom.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6377011 B1 (BEN-UR) 23 April 2002 (23-04-2002) whole document	1-13, 36, 37
Y	col. 8 lines 50-56 re: claims 36 and 37 figure 18 col. 7 lines 65-66, col. 8 lines 14 and 33-44, col. 26 lines 16-23	18, 35, 38-40
X	US 5807377 (MADHANI et al.) 15 September 1998 (15-09-1998) whole document	14-17, 19-23, 32-34, 37
Y	col. 8 lines 54-62 re: claims 15 and 37 figure 4B re: claims 14, 20 and 34	18, 24, 26-31, 35, 38-40
Y	US 6063095 (WANG et al.) 16 May 2000 (16-05-2000)	24, 26-31
Y	US 5882206 (GILLIO, ROBERT G.) 16 March 1999 (16-03-1999)	24, 26-31
X	WO 02/080783 (DYCUS et al.) 17 October 2002 (17-10-2002)	25
A	US 5623582 (ROSENBERG) 22 April 1997 (22-04-1997)	
A	US 6233504 (DAS et al.) 15 May 2001 (15-05-2001)	

Patent family members are listed in annex.

* Special categories of cited documents :	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international-type search
07 January 2005 (07-01-2005)Date of mailing of the international-type search report
07 March 2005 (07-03-2005)Name and mailing address of the ISA/CA
Commissioner of Patents
Canadian Patent Office - PCT
Ottawa/Gatineau K1A 0C9
Facsimile No. 1-819-953-9358Authorized officer
Andrew Davidson (819) 953-4505

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CA2004/001868

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
US6377011	23-04-2002	WO0154587 A1	02-08-2001
US5807377	15-09-1998	CA2255692 A1 CA2255934 A1 JP2002503976T T JP2002504863T T US5792135 A US5797900 A US5976122 A US6371952 B1 WO9743942 A1 WO9743943 A1	27-11-1997 27-11-1997 05-02-2002 12-02-2002 11-08-1998 25-08-1998 02-11-1999 16-04-2002 27-11-1997 27-11-1997
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		US6654000 B2	25-11-2003
		US2004066369 A1	08-04-2004
		WO9616397 A1	30-05-1996
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Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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Application Number	
Filing Date	
First Named Inventor	Tavakoli, Seyed M.
Art Unit	
Examiner Name	
Attorney Docket Number	62859.0001

[illegible][illegible]

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<p>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes and USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.</p> <p>This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND</p> <p>TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p>If you need assistance, call 1-800-351-4050.</p>	<p>Considered</p>
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WORLD
Pending Patent Application
Assignment

MILLER THOMSON
Daryl W. Schnurr

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to us by
THE UNIVERSITY OF WESTERN ONTARIO

Stevenson Lawson Building - 319, 1151 Richmond Street, London, Ontario, Canada N6A 5B8

hereinafter called the Assignee, the receipt of which is hereby acknowledge, we do hereby sell and assign unto the said Assignee, all our right, title and interest worldwide in and to our invention relating to

**FORCE REFLECTIVE ROBOTIC CONTROL SYSTEM AND MINIMALLY INVASIVE
SURGICAL DEVICE**

as fully described and claimed in the application for a patent for such invention and all our interest to our corresponding right, title and interest in and to any patent which may issue therefor

SIGNED at London, Ontario

this 20th day of October, 2004

Mehdi, Dey
Signature of 1st inventor

Rajnikant V. Patel
Signature of 2nd inventor

M. Moallem
Signature of 3rd inventor

STATEMENT BY WITNESS

I, Ashraf Mesbah Nejad

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was personally present and did see

SEYED MAHDI TAVAKOLI, RAJNIKANT V. PATEL and MEHRDAD (nmi) MOALLEM

who are know to me, duly sign and execute the above Assignment.

A. Mesbah Nejad
Signature

I, RAVI GUPTA

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N6G-3N4

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SEYED MAHDI TAVAKOLI, RAJNIKANT V. PATEL

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Ravi Gupta

OCT 21, 2004

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Sayed Mahdi Tavakoli
Rajkant (nmi) Patel
Mehrdad (nmi) Moallem

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) October 20, 2004

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

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Internal Address: _____

Street Address: Stevenson Lawson Building - 319,

1151 Richmond Street

City: London

State: Ontario

Country: Canada

Zip: N6A 5B8

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

☒ This document is being filed together with a new application.
B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Daryl W. Schnurr, Miller Thomson LLP

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6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

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☐ None required (government interest not affecting title)

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Name of Person Signing

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